

SPECIFICATIONS

TITLE OF THE INVENTION

- 0001 The title of the invention is **oGo**. **oGo** is an anagram for "odor gone out."
- 0002 The applicants and inventors of the invention are: Blair Nicole Mackenzie, 2314 Grinstead Drive, Apartment # 2, Louisville, Kentucky 40204, USA, telephone 502-459-6189, email ucangetblair@yahoo.com; and Bruce LaMarr Pace, 2359 Keeneland Parkway, Owensboro, Kentucky, 42303, USA, telephone 270-685-3555, email pacebruno@adelphia.net.

CROSS-REFERENCE TO RELATED APPLICATIONS

- 0003 The **oGo** patent application references no other patent application.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

- 0004 This patent application does not fall under any federally sponsored research or development program.

BACKGROUND OF THE INVENTION

- 0005 This invention deals with the problem of odors in the bathroom when the toilet is being used or after it has been used. Bathroom odors have previously been addressed by odor disguising sprays, which only mask unpleasant odors. Many bathrooms use the ceiling vent fan to remove odors from the bathroom. The intrinsic problems involved with the vent, which is the most common solution to the presence of bathroom odors, is that the odors have to enter the room to exit through the ceiling vent.

BRIEF SUMMARY OF THE INVENTION

0006 The **oGo** is an attachment that fits easily under the seat of any toilet. It is designed to remove bathroom odors from the bathroom before the odors enter the room. This is an improvement over the traditional method for removing bathroom odors through a ceiling vent. The **oGo** solves the problem mentioned in paragraph 0005 since it eliminates the odors before they enter the room where they ordinarily must exist before they exit through the ceiling vent.

DESCRIPTION OF THE DRAWINGS

0007 Sheet M-1: Seen in this drawing is the main plastic housing that is the **oGo**. This piece houses all of the component parts and provides the openings where the two filter canisters attach that hold the charcoal filters. This piece provides the passageways that draw the unwanted odors from their source into the odor-eating filters.

0008 Sheet M-2 : This drawing depicts the exploded view of the **oGo** model showing numbered component parts. Number 1 is the **oGo** model itself. The numbers 2 identify the two canisters that are the filter holders. The numbers 3 identify the two fans. The numbers 4 identify the two charcoal activated vapor filters. The numbers 9 refer to the 6 hexagon socket head cap screws - ISO 4762-M 1.6 x 3 - that hold the two fans in place. Number 10 and number 15 refer to the two motors, which are attached to the two 3-volt batteries operating at 600 rpm. Number 11 and Number 12 are the panels for accessing the motors. Number 13 refers to the wire that connects the motor to the battery. There is one wire on each side of the devices connecting the respective motor to the corresponding battery. Number 17 and Number 20 identify the 3-volt 10-year lithium batteries. Number 18 and Number 21 refer to the panel for accessing the batteries. The numbers 19 refer to the two infrared motion detector sensors.

0009 Sheet M-3: This drawing depicts the orthographic views of the main housing giving side, front, and top views, with dimensions plus detail A of the battery compartment and detail B of

the infrared laser motion detector compartment. Detail C gives the specifications for the filter holder alignment.

0010 Sheet —4: Drawing depicts the top view, the bottom view, and the side view of the fans with dimensions.

0011 Sheet —5: This drawing depicts the detail of the motor and the battery. There are two of each in the main housing of the oGo.

0012 Sheet —6: This is the detail of the infrared motion sensor. There are two of these in the main housing of the oGo.

0013 Sheet —7: This drawing shows details of the charcoal filters and of the filter canister. There are two filters inside two canisters that are attached to the main housing.

0014 Sheet —8: This is a parts list for the device. The numbers correspond to Sheet M-2.

DETAILED DESCRIPTION OF THE INVENTION

0015 The oGo consists of one main plastic piece, two fans, and two filter canisters made of plastic resins manufactured through an injection mold process. Two ten-year lithium batteries are located in the sections of the main plastic piece labeled battery compartment. The batteries are 10 mm in diameter and 2.5 mm in height. The motors are 9/16" long, 1/2" wide, with a 1/8" x 1/32" diameter shaft. The motors run at 600 rpm. The motors are connected to the two 3-volt batteries located under the fans that cap off the filter canisters. The two filter canisters hold activated charcoal vapor filters custom made to fit the filter canisters. The filters are 21 square inches of activated charcoal. A motion-activated sensor is located in the main plastic piece. Each infrared sensor is 11.1 mm x 26.5 mm. This starts the motors that run the fans drawing the odors into the charcoal filters.